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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,716	11/26/2003	Prathyusha K. Salla	132958-2 (GEMS:0262/YOD)	9778
68174 GE HEALTHC	'590 10/28/2010 AR E		EXAMINER	
c/o FLETCHER	· · · · · · · · · · · · · · · · · · ·	WEATHERBY, ELLSWORTH		
P.O. BOX 6922 HOUSTON, TX			ART UNIT	PAPER NUMBER
,			3768	
			MAIL DATE	DELIVERY MODE
			10/28/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/723,716	SALLA ET AL.		
Examiner	Art Unit		
ELLSWORTH WEATHERBY	3768		

	ELLSWORTH WEATHERBY	3768	
The MAILING DATE of this communication appe	ars on the cover sheet with the c	correspondence add	ress
THE REPLY FILED 20 September 2010 FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following rapplication in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods:	eplies: (1) an amendment, affidavit al (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expiresmonths from the mailing b) The period for reply expires on: (1) the mailing date of this Ac no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (I MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f	dvisory Action, or (2) the date set forth in ter than SIX MONTHS from the mailing (b). ONLY CHECK BOX (b) WHEN THE	date of the final rejection	n.
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of extrunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the silvent forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount on the corresponding amount of the corresponding a	of the fee. The appropria nally set in the final Offic	ate extension fee e action; or (2) as
2. The Notice of Appeal was filed on A brief in compl filing the Notice of Appeal (37 CFR 41.37(a)), or any exten Notice of Appeal has been filed, any reply must be filed wi AMENDMENTS	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
3. The proposed amendment(s) filed after a final rejection, be (a) They raise new issues that would require further con (b) They raise the issue of new matter (see NOTE below (c) They are not deemed to place the application in bett	sideration and/or search (see NOT v);	E below);	
appeal; and/or (d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	orresponding number of finally reje	ected claims.	
 4. The amendments are not in compliance with 37 CFR 1.12 5. Applicant's reply has overcome the following rejection(s): 			
 Newly proposed or amended claim(s) would be allowable claim(s). 	•	•	-
7. For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration:		l be entered and an e	xplanation of
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to or showing a good and sufficient reasons why it is necessary	/ercome <u>all</u> rejections under appea and was not earlier presented. Se	ll and/or appellant fail ee 37 CFR 41.33(d)(1	s to provide a).
10. The affidavit or other evidence is entered. An explanation	of the status of the claims after er	ntry is below or attach	ed.
REQUEST FOR RECONSIDERATION/OTHER 11. ☑ The request for reconsideration has been considered but See Continuation Sheet.	does NOT place the application in	condition for allowan	ce because:
12. Note the attached Information <i>Disclosure Statement</i> (s). (13. Other:	PTO/SB/08) Paper No(s)		
/Long V Le/ Supervisory Patent Examiner, Art Unit 3768			

Continuation of 11. does NOT place the application in condition for allowance because:

Regarding claims 8, 20, 31, 38, and 40, Applicant alleges that Huesman does not expressly teach the extraction of two or more prospective gating points and one or more motion compensation factors via processing a set of motion data. Here, applicant specifically alleges that Huesman does not teach a motion compensation factor. The Examiner respectfully disagrees. Looking to the cited passages of Huesman, the Examiner quickly finds that the processed motion data from the electrical and non-electrical sensor data is used to extract motion compensation factors (pg. 9-pg. 10). Applicant contends that if the registration is peformed on the image data that is excluded as prior art. Here, the Examiner disagrees. The claims call for acquiring electrical, e.g. EKG as taught by Heusman, and non-electrical motion data, e.g. pneumatic bellows as taught by Heusman. These are processed to extract two or more prospective gating points, either a cardiac state or a respiratory state (Fig. 5, Fig. 7). Subsequently, motion compensation factors are acquired from the processed data (pg. 9-10) and an image is produced in which respiratory motion artifacts have been removed through the use of motion compensation factors.

Further regarding claims 8, 20, 31, 38 and 40, Applicant alleges that the Examiner does not expressly set forth which of the secondary references in the 103 rejection of the claims discloses motion compensation factors. The Examiner will clarify. As an example, Stuber at page 582 uses a correction factor for motion compensation. That is, the Examiner maintains that the Stuber prior art reference makes the claim limitations apparent apparent through the express teachings of navigator-gated and motion corrected, electrocadiography triggered k-space gradients sequences to acquire image data. These were cited as overcoming the deficiencies of Yuan.

Regarding claim 39, applicant alleges that the disclosure of Huesman does not teach data processing circuitry...configured to validate a set of motion data using another set of motion data derived from a data set acquired by an imager. Here, the Examiner agrees Huesman does not expressly teach a data processing circuitry that is further configured to validate the set of motion data using an additional set of motion data derived by the imager.

Regarding claims 1, 15, 25, 37, and 39 Applicant alleges that the Stuber fails to cure the deficiencies of Yuan. Specifically, Applicant alleges that Stuber does not teach or suggest validating a set of motion data using the one or more sensors by using another set of motion data derived from a dataset acquired via the imager. The Examiner disagrees. As acknowledged by Applicant, Stuber was cited for teaching acquiring a set of motion data using one or more sensors, e.g. EKG gated images. However, Stuber goes on to teach validating the set of motion data using another set of motion data derived from a dataset acquired via an imager, i.e. images are a accepeted or rejected based on the navigator image data (e.g. pg. 212 col. 3). Thus, the Examiner maintains that Stuber cures the cited deficiencies of the primary refereance, Yuan. Furthermore and because Applicant has not set for additional arguments regarding the alternative secondary references, the Examiner maintains that similar to Stuber both Felbinger and Manke cure the cited deficiencies of Yuan.

Regarding dependant claims 3, 10, 17 and 22, Applicant alleges that the prior art references do not teach that wherein generating an image comprises fusing structural image data with image data representative of motion or electrical activity. The Examiner concedes that this is not taught in the prior art of record. However, the claims stand rejected under the double patenting rejection and would be allowable pending the filing of the terminal disclaimers and the claim's incorporation in to their respective parent claims.

Accordingly and because Applicant has not set forth any further arguments, Claims 1-2, 4-9, 11-16, 18-21 and 23-25, 28-40 stand rejected on the grounds set forth in 07/20/2010 Final Rejection, Claims 3, 10, 17 and 22 stand rejected under obviousness type double patenting, and Claims 26-27 stand objected as being dependent upon a rejected base claim.